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(71) Applicant (for all designated States except US): **VIA-TRONIX INCORPORATED** [US/US]; 25 East Loop Road, Stony Brook, NY 11790 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DACHILLE,**

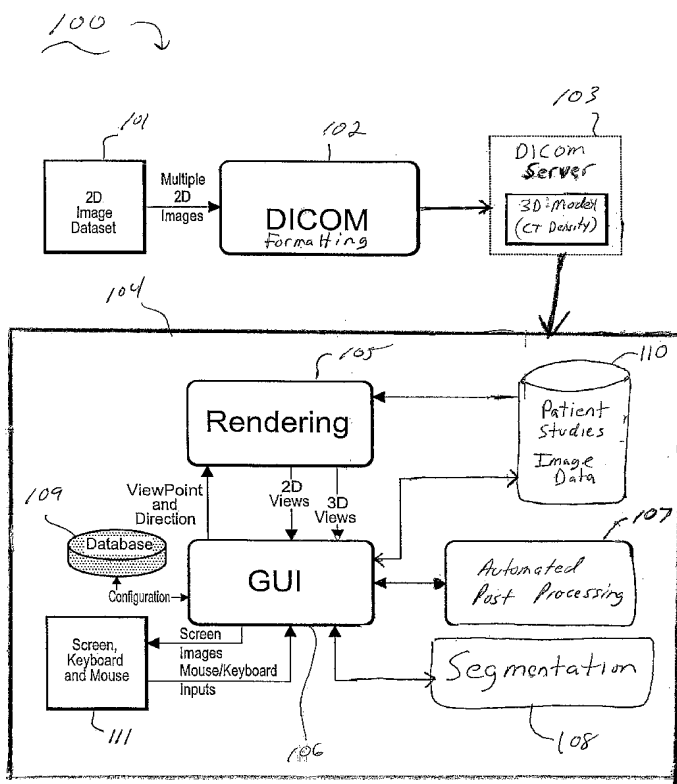
Frank, C. [US/US]; 94 Central Avenue, Amityville, NY 11701 (US). **CHEN, Dongquin** [CN/US]; 7 Stuyvesant Circle East, Setauket, NY 11733 (US). **MEISSNER, Michael** [DE/US]; 655 Belle Terre Road, #19, Port Jefferson, NY 11777 (US). **CAI, Wenli** [CN/US]; 46 Sawyer Avenue Apt. 1, Dorchester, MA 02125 (US).

(74) Agents: **DEROSA, Frank, V.** et al.; Chau & Associates, LLC, 130 Woodbury Road, Woodbury, NY 11797 (US).

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(54) Title: SYSTEMS AND METHODS FOR AUTOMATED SEGMENTATION, VISUALIZATION AND ANALYSIS OF MEDICAL IMAGES



(57) Abstract: An imaging system for automated segmentation and visualization of medical images (100) includes an image processing module (107) for automatically processing image data using a set of directives (109) to identify a target object in the image data and process the image data according to a specified protocol, a rendering module (105) for automatically generating one or more images of the target object based on one or more of the directives (109) and a digital archive (110) for storing the one or more generated images. The image data may be DICOM-formatted image data (103), wherein the imaging processing module (107) extracts and processes meta-data in DICOM fields of the image data to identify the target object. The image processing module (107) directs a segmentation module (108) to segment the target object using processing parameters specified by one or more of the directives (109).



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